



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/759,341
Filing Date	January 16, 2004
First Named Inventor	Anthony C. Zuppero
Art Unit	1753
Examiner Name	Alan D. Diamond
Attorney Docket Number	22122878-75

**ENCLOSURES (Check all that apply)**

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input checked="" type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input type="checkbox"/> Other Enclosure(s) (please identify<br>below): |
|---|--|---|

**Remarks**

This correspondence is being submitted via First Class Mail to the U.S. Patent and Trademark Office on February 10, 2006.

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**Firm Name  
Baker & McKenzie LLPSignature  
*Eunhee Park*Printed name  
Eunhee ParkDate  
February 10, 2006Reg. No.  
42,976**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature  
*Eunhee Park*Typed or printed name  
Eunhee ParkDate  
February 10, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



22122878-75

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Anthony C. Zuppero

Application No.: 10/759,341

U.S. Filing Date: January 16, 2004

Title: IMPROVED DIODE ENERGY CONVERTER FOR CHEMICAL  
KINETIC ELECTRON ENERGY TRANSFER

Group Art Unit: 1753

Examiner: Alan D. Diamond

---

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for the Applicant hereby bring the following materials to the examination of the above-identified application to the attention of the Examiner. The materials are listed on the attached PTO Forms PTO/SB/08A and PTO/SB/08B. It is respectfully requested that the information be expressly

---

**CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence is being submitted via First Class Mail to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Group Art Unit 1753 on February 10, 2006.

Eunhee Park (Reg. No. 42,976)

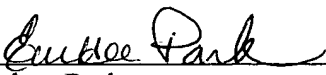
considered during the prosecution of this application, and that the materials be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This information disclosure statement is being filed under 37 C.F.R. § 1.97(b)(3), before the mailing of a first Office Action on the merits.

While no fee is believed due, if any fee is deemed due, the Commissioner for Patents is hereby authorized to charge Deposit Account No. 02-0393 of Baker & McKenzie LLP.

Dated: February 10, 2006

Respectfully submitted,

  
\_\_\_\_\_  
Eunhee Park  
Reg. No. 42,976  
Baker & McKenzie LLP  
1114 Avenue of the Americas  
New York, New York 10036  
Telephone (212) 751-5700  
Facsimile (212) 759-9133



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/759,341
Filing Date	January 16, 2004
First Named Inventor	Anthony C. Zuppero
Art Unit	1753
Examiner Name	Alan D. Diamond
Attorney Docket Number	22122878-75

Sheet

of

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,362,975	11-1994	von Windheim et al.	
		US- 5,780,727	07-1998	Gimzewski et al.	
		US- 5,124,610	06-1992	Conley et al.	
		US- 3,483,040	12-1969	Parkins	
		US- 3,916,338	10-1975	Jensen et al.	
		US- 2004/0182431	09-2004	Zuppero et al.	
		US- 5,404,712	04-1995	Feu et al.	
		US- 6,916,451	07-2005	Zuppero et al.	
		US- 6,944,202	09-2005	Zuppero et al.	
		US- 2005/0189011	09-2005	Zuppero et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
		EP 0713089	05-1996	Biosensor Laboratories		
		DE 37 43 399 A1	07-1989	Siemens AG		
		JP 2-264101	10-1990	Fukushima		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	10/759,341
Filing Date	January 16, 2004
First Named Inventor	Anthony C. Zuppero
Art Unit	1753
Examiner Name	Alan D. Diamond
Attorney Docket Number	22122878-75

Sheet

of

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Prieur et al., "Sound Amplification by Stimulated Emission of Radiation in an Amorphous Compound," Europhysics letters, 24 (5) (1993), pp. 409-414.	
		Zavtrok et al., "SASER (Sound Amplification by Stimulated Emission of Radiation)," April 1997, pp. 406-414	
		Surowiak et al., "Structure and Certain Physical Properties of BaTiO3 Thin Films with Diffused Phase Transition," XP-002355326, 1 page	
		Taylor et al., "Phonon Focusing in Solids," June 1969, pp. 416-420	
		Tobias et al., "Fast chemical Sensing with Metal-insulator Silicon Carbide Structures," June 1997, pp. 287-289.	
		Lloyd Spetz et al., "High Temperature Sensors Based on Metal-Insulator-Silicon Carbide Devices," January 1997, pp. 493-511.	
		Benson, "Sodium chemiluminescence in the Na+N2O and Na-catalyzed N2O+CO Reactions," September 1976, pp. 3879-3885.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.